



**Environment Environnement
Canada Canada**

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Our file: 4782 047

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Via Email at manager@nwb.nunavut.ca

RE: NWB4ARV – Hamlet of Arviat – Pond Drainage

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to Environment Canada's mandated responsibilities for the enforcement of the *Canadian Environmental Protection Act*, Section 36(3) of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

The Hamlet of Arviat is seeking to drain an existing pond to create new lands for a residential subdivision. Studies carried out by Jacques Whitford Environmental Ltd. have determined that the pond is not fish bearing waters. The Hamlet is proposing three different options for drainage, all of which involve some form of sediment control.

Environment Canada requests that the Hamlet ensure that the pond is not being used by any migratory birds for breeding, nesting or rearing. Environment Canada requests that if the Hamlet determines that the pond is being used by migratory birds, EC be notified so further discussions can be commenced.

Environment Canada recommends that the following conditions be applied throughout all stages of the project:

- The proponent shall not deposit, nor permit the deposit of any sediment, fuel, or wastes into any water body. According to the Fisheries Act, Section 36(3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- Measures to control the release of sediment into any waterbody should be implemented during drainage.
- The Hamlet has proposed three different options for draining the pond. Environment Canada suggests that Option B be implemented. Option B involves pumping water across or under a road (through a culvert), to an existing small pond where sediment could settle. Water would then flow down-gradient through several channels before dissipating over a wet, marshy area. When coupled with the installation of silt fences, or other such preventative measures, at the outlet of Pond D, this option should allow for the settlement of the most sediment, would require little maintenance, and does not require the creation of settling ponds.

- If the installation of culverts is required for the preferred drainage option, EC recommends that sediment control measures be implemented to prevent increased siltation of the water.
- **All spills** shall be documented and reported to the NWT 24 hour Spill Line at (867) 920-8130.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,

Original signed by:

Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)